

WHAT IS CLAIMED IS:

1. A jaw crusher comprising:

a fixed jaw;

a swing jaw which swings relative to the fixed jaw ;

5 a reaction force receiver mechanism of an up-thrust type including a toggle plate having an end contacting the swing jaw, and a toggle plate support member which another end of the toggle plate contacts; and

a toggle plate holder mechanism which holds the toggle plate between the swing jaw and the reaction force receiver mechanism , wherein

10 the toggle plate holder mechanism is comprised of a link.

2. The jaw crusher according to claim 1, wherein

the reaction force receiver mechanism has an outlet clearance adjustment mechanism which moves the swing jaw near to and away from the fixed jaw through the toggle plate support member and the toggle plate, and

15 the toggle plate holder mechanism has a biasing portion, which biases the swing jaw and the toggle plate support member to the toggle plate and is attached to the toggle plate support member.

3. The jaw crusher according to claim 1, wherein

20 the toggle plate holder mechanism includes a tension link having an end attached to the swing jaw, a tension lever supporting another end of the tension link, a tension rod having an end attached to the tension lever, and a tension spring which biases the tension rod in an axial direction of the tension rod, and

swing centers at two sides of the tension link are positioned near swing centers at two sides of the toggle plate.

25 4. The jaw crusher according to claim 2, wherein

the toggle plate holder mechanism includes a tension link having an end attached to the swing jaw, a tension lever supporting another end of the tension link, a tension rod having an end attached to the tension lever, and a tension spring which biases the tension rod in an axial direction of the tension rod, and

swing centers at two sides of the tension link are positioned near swing centers at two sides of the toggle plate.

5. The jaw crusher according to claim 1, wherein

the toggle plate holder mechanism includes a tension link having an end attached to the swing jaw, a tension lever supporting another end of the tension link, a tension rod having an end attached to the tension lever, and a tension spring which biases the tension rod in an axial direction of the tension rod, and

swing centers at two sides of the tension link are located at the same positions as swing centers at two sides of the toggle plate, when viewed in profile.

10 6. The jaw crusher according to claim 2, wherein

the toggle plate holder mechanism includes a tension link having an end attached to the swing jaw, a tension lever supporting another end of the tension link, a tension rod having an end attached to the tension lever, and a tension spring which biases the tension rod in an axial direction of the tension rod, and

15 swing centers at two sides of the tension link are located at the same positions as swing centers at two sides of the toggle plate, when viewed in profile.

7. The jaw crusher according to claim 3, wherein

the tension link has a shape having a concave, and

a notch is formed, in the toggle plate, at respective positions corresponding to the swing centers at two sides of the tension link.

8. The jaw crusher according to claim 4, wherein

the tension link has a shape having a concave, and

a notch is formed, in the toggle plate, at respective positions corresponding to the swing centers at two sides of the tension link.

25 9. The jaw crusher according to claim 5, wherein

the tension link has a shape having a concave, and

a notch is formed, in the toggle plate, at respective positions corresponding to the swing centers at two sides of the tension link.

10. The jaw crusher according to claim 6, wherein

the tension link has a shape having a concave, and

a notch is formed, in the toggle plate, at respective positions corresponding to the swing centers at two sides of the tension link.

5 11. The jaw crusher according to claim 3, wherein the toggle plate is divided into plural pieces, at a position where the tension link is provided.

12. The jaw crusher according to claim 4, wherein the toggle plate is divided into plural pieces, at a position where the tension link is provided.

13. The jaw crusher according to claim 5, wherein the toggle plate is divided into plural pieces, at a position where the tension link is provided.

10 14. The jaw crusher according to claim 6, wherein the toggle plate is divided into plural pieces, at a position where the tension link is provided.

15. A self-propelled crushing machine on which the jaw crusher according to claim 1 is mounted.